Amendments to Claims:

This listing of claims will replace all prior versions and listings of the claims in the application:

Listing of Claims:

1-16. (canceled)

17. (currently amended) A method for separating mixed particulate material into particles of at least two different specific gravities, comprising:

providing at least one mixed particulate material separating apparatus including a separating chamber and an angle of entry connection, a discharge of the angle of entry connection being angled upwardly with respect to the separating chamber;

creating a vacuum which provides suction to the separating chamber to draw mixed particulate material into the separating chamber through the angle of entry connection so that the mixed particular material has both upward and horizontal velocity components, the horizontal velocity component being sufficient to cause the mixed particulate matter to strike a wall of the separating chamber; and

separating the mixed particulate material into a lower specific gravity and a higher specific gravity by the vacuum pulling the lower specific gravity material up and out of the mixed particulate material separating apparatus via ~~the~~ a discharge tube, and allowing the higher specific gravity material to fall from the separating chamber.

18. (original) The method for separating mixed particulate material into particles of at least two different specific gravities according to claim 17, further comprising:

providing the mixed particulate material to the mixed particulate material separating apparatus.

19. (previously presented) The method for separating mixed particulate material into particles of at least two different specific gravities according to claim 18, further comprising:

collecting the material with a higher specific gravity at a bottom of the separating chamber; and

releasing the collected material with a higher specific gravity at a predetermined interval of time.

20. (currently amended) A method for separating mixed particulate material into particles of at least two different specific gravities, comprising:

providing a first mixed particulate material separating apparatus including a separating chamber, and an angle of entry connection, the angle of entry connection being angled upwardly with respect to the separating chamber;

creating a vacuum to occur whereby mixed particulate material enters the mixed particulate material separating apparatus through the angle of entry connection so that the mixed particular material has both upward and horizontal velocity components, the horizontal velocity component being sufficient to cause the mixed particulate matter to strike a wall of the separating chamber;

separating initially the mixed particulate material into a lower specific gravity and a higher specific gravity by the vacuum pulling at least a portion of the lower specific gravity material up and out of the first mixed particulate material separating apparatus, and allowing an initially separated mixed particulate material which comprises the higher specific gravity material and remainder of the lower specific gravity material to fall from the mixed particulate material separating apparatus;

moving the initially separated mixed particulate material to a second mixed particulate material separating apparatus;

providing a flow of air from an air flow source to the second mixed particulate material separating apparatus; and

separating further the mixed particulate material into a lower specific gravity and a higher specific gravity by the flow of air discharging at least a portion of the remainder of the lower specific gravity material up and out of the second mixed particulate material separating apparatus, and allowing the higher specific gravity material to fall from the second mixed particulate material separating apparatus.

21. (original) The method for separating mixed particulate material into particles of at least two different specific gravities according to claim 20, further comprising:

transporting the higher specific gravity material away from the second mixed particulate material separating apparatus.

22. (canceled).

23. (previously presented) The method for separating mixed particulate material into particles of several different specific gravities according to claim 20, wherein the step of moving the initially separated mixed particulate material to the second mixed particulate material separating apparatus comprises:

transporting the initially separated mixed particulate material to a second discharge tube.

24. (currently amended) A method for separating mixed particulate material into particles of at least two different specific gravities, comprising:

providing a first mixed particulate material separating apparatus including a separating chamber, and an angle of entry connection, the angle of entry connection being angled upwardly with respect to the separating chamber;

creating a vacuum to occur whereby mixed particulate material enters the first mixed particulate material separating apparatus through the angle of entry connection so that the mixed particular material has both upward and horizontal velocity components, the horizontal velocity component being sufficient to cause the mixed particulate matter to strike a wall of the separating chamber;

separating initially the mixed particulate material into a first group and a second group of mixed particulate material by the vacuum pulling at least a portion of the first group of mixed particulate material up and out of the first mixed particulate material separating apparatus, and allowing the second group of mixed particulate material to fall from the first mixed particulate material separating apparatus;

providing a second mixed particulate material separating apparatus and a second flow of air from an air flow source through the second mixed particulate material separating apparatus.

25. (canceled)

26. (previously presented)The method for separating mixed particulate material into particles of at least two different specific gravities according to claim 17, wherein

the angle between the angle of entry connection and the separation chamber is between about 40° and 50°.

27. (previously presented)The method for separating mixed particulate material into particles of at least two different specific gravities according to claim 17, wherein

the angle between the angle of entry connection and the separation chamber is about 45°.

28. (previously presented)The method for separating mixed particulate material into particles of at least two different specific gravities according to claim 20, wherein

the angle between the angle of entry connection and the separation chamber is between about 40° and 50°.

29. (previously presented)The method for separating mixed particulate material into particles of at least two different specific gravities according to claim 20, wherein

the angle between the angle of entry connection and the separation chamber is about 45°.

30. (previously presented)The method for separating mixed particulate material into particles of at least two different specific gravities according to claim 24, wherein

the angle between the angle of entry connection and the separation chamber is between about 40° and 50°.

31. (previously presented)The method for separating mixed particulate material into particles of at least two different specific gravities according to claim 24, wherein

the angle between the angle of entry connection and the separation chamber is about 45°.